

STATEMENT OF BASIS (AI No. 28088)

for draft Louisiana Pollutant Discharge Elimination System permit No. LA0093211 to discharge to waters of the State of Louisiana.

THE APPLICANT IS: CMP Coatings, Inc.
1610 Engineers Road
Belle Chasse, Louisiana 70884

ISSUING OFFICE: Louisiana Department of Environmental Quality (LDEQ)
Office of Environmental Services
Post Office Box 4313
Baton Rouge, Louisiana 70821-4313

PREPARED BY: Michelle Bickham

DATE PREPARED: January 25, 2008

1. PERMIT STATUS

A. Reason For Permit Action:

Permit reissuance of a Louisiana Pollutant Discharge Elimination System (LPDES) permit for a 5-year term.

B. LPDES permit - LA0093211
LPDES permit effective date: July 1, 2003
LPDES permit expiration date: June 30, 2008

C. Date Application Received: December 3, 2007

2. FACILITY INFORMATION

A. FACILITY TYPE/ACTIVITY - marine paint manufacturing facility

CMP Coatings, Inc. is an existing facility that manufactures marine paints, primers, and thinners.

B. FEE RATE

1. Fee Rating Facility Type: minor
2. Complexity Type: II
3. Wastewater Type: III
4. SIC code: 2851

C. LOCATION - 1610 Engineers Road, Belle Chasse, Plaquemines Parish
Latitude 29°51'05", Longitude 90°01'32"

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3. OUTFALL INFORMATION

Outfall 001

Discharge Type: stormwater runoff combined with once-through non-contact cooling water from Outfall 101 and treated sanitary wastewater from Outfalls 201 and 301
Treatment: post polishing two stage sedimentary filter
Location: at the point of discharge from the northwest side of the facility (Latitude 29°51'05", Longitude 90°01'32")
Flow: stormwater - intermittent; once-through non-contact cooling water - varies; sanitary wastewater - 1,000 gpd
Discharge Route: directly into Bayou Barataria

Outfall 101

Discharge Type: once-through non-contact cooling water
Treatment: thermal reduction
Location: at the point of discharge from the northeast side of the facility (Latitude 29°51'05", Longitude 90°01'32")
Flow: varies
Discharge Route: through Outfall 001 thence into Bayou Barataria

Outfall 201

Discharge Type: treated sanitary wastewater
Treatment: sewage treatment plant with chlorinator
Location: at the point of discharge from the sewage treatment plant servicing Building 5 (Latitude 29°51'05", Longitude 90°01'32")
Flow: 500 gpd
Discharge Route: through Outfall 001 thence into Bayou Barataria

Outfall 301

Discharge Type: treated sanitary wastewater
Treatment: sewage treatment plant with chlorinator
Location: at the point of discharge from the sewage treatment plant servicing Building 4 (Latitude 29°51'05", Longitude 90°01'32")
Flow: 500 gpd
Discharge Route: through Outfall 001 thence into Bayou Barataria

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Outfall 003

Discharge Type: treated sanitary wastewater
Treatment: sewage treatment plant with chlorinator
Location: at the point of discharge from the sewage treatment
plant servicing Building 6 (Latitude 29°51'05",
Longitude 90°01'32")
Flow: 500 gpd
Discharge Route: directly into Bayou Barataria

Outfall 004

Discharge Type: treated sanitary wastewater
Treatment: sewage treatment plant with chlorinator
Location: at the point of discharge from the sewage treatment
plant servicing Buildings 1 and 2 (Latitude 29°51'05",
Longitude 90°01'32")
Flow: 500 gpd
Discharge Route: directly into Bayou Barataria

4. RECEIVING WATERS

STREAM - Bayou Barataria

BASIN AND SEGMENT - Barataria Basin, Segment 020601

DESIGNATED USES - a. primary contact recreation
b. secondary contact recreation
c. propagation of fish and wildlife

5. PROPOSED EFFLUENT LIMITS

BASIS - See Rationale below.

Proposed Changes:

- The monitoring frequency for Outfall 101, once-through non-contact cooling water, is being changed from 1/6 months to 1/quarter.
- The monitoring frequency for Outfalls 201, 301, 003, and 004, treated sanitary wastewater, is being changed from 1/6 months to 1/quarter.

6. COMPLIANCE HISTORY/COMMENTS

A. Compliance History

There have been no recent inspections at the facility.

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B. DMR Review/Excursions

<u>Date</u>	<u>Parameter</u>	<u>Outfall</u>	<u>Reported Value</u>	<u>Permit Limits</u>
8/07	Xylene	001	16.92 µg/L	10 µg/L
6/07	Oil & Grease	001	19.5 mg/L	15 mg/L*
6/07	TSS	201	194 mg/L	45 mg/L*
6/07	Fecal Coliform	201	60,000 col	400 col/100 mL*
6/07	TSS	301	5930 mg/L	45 mg/L*
6/07	BOD	003	65 mg/L	45 mg/L*
6/07	TSS	003	4415 mg/L	45 mg/L*
12/06	Oil & Grease	001	23.2 mg/L	15 mg/L
12/06	net TOC	101	8.4 mg/L	5 mg/L
12/06	Fecal Coliform	201	2100 col	400 col/100 mL
12/06	TSS	201	7230 mg/L	45 mg/L
12/06	TSS	003	54 mg/L	45 mg/L
10/06	Oil & Grease	001	29 mg/L	15 mg/L
6/06	net TOC	101	6.4 mg/L	5 mg/L
6/06	BOD	201	59 mg/L	45 mg/L
6/06	TSS	201	336 mg/L	45 mg/L

*Results obtained from Non-Compliance Report Form

7. EXISTING EFFLUENT LIMITS

Outfall 001 - stormwater runoff combined with once-through non-contact cooling water from Outfall 101 and sanitary wastewater from Outfalls 201 and 301

Parameter	LPDES	
	Monthly Average	Daily Maximum
Flow - gpd	Report 1/month Est.	Report 1/month Est.
TOC	---	50 mg/L 1/month Grab
Oil and Grease	---	15 mg/L 1/month Grab
Xylene	---	10 µg/L 1/month Grab
pH	6.0 - 9.0 s.u. 1/month Grab	

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Outfall 101 - once-through non-contact cooling water

Parameter	LPDES	
	Monthly Average	Daily Maximum
Flow - gpd	Report 1/6 mos Est.	Report 1/6 mos Est.
net TOC	---	5 mg/L 1/6 mos Grab

Outfalls 201, 301, 003, and 004 - treated sanitary wastewater

Parameter	LPDES	
	Weekly Average	Monthly Average
Flow - gpd	Report 1/6 mos Est.	Report 1/6 mos Est.
BOD	---	45 mg/L 1/6 mos Grab
TSS	---	45 mg/L 1/6 mos Grab
Fecal Coliform	---	400 col./100 mL 1/6 mos Grab
pH	6.0 - 9.0 s.u. 1/6 mos Grab	

*Note - pH testing not required for internal Outfalls 201 and 301

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8. ENDANGERED SPECIES

The receiving waterbody, Subsegment 020601 of the Barataria Basin is not listed in Section II.2 of the Implementation Strategy as requiring consultation with the U.S. Fish and Wildlife Service (FWS). This strategy was submitted with a letter dated October 24, 2007 from Boggs (FWS) to Brown (LDEQ). Therefore, in accordance with the Memorandum of Understanding between the LDEQ and the FWS, no further informal (Section 7, Endangered Species Act) consultation is required. It was determined that the issuance of the LPDES permit is not likely to have an adverse effect on any endangered or candidate species or the critical habitat. The effluent limitations established in the permit ensure protection of aquatic life and maintenance of the receiving water as aquatic habitat.

9. HISTORIC SITES

The discharge is from an existing facility location, which does not include an expansion on undisturbed soils. Therefore, there should be no potential effect to sites or properties on or eligible for listing on the National Register of Historic Places, and in accordance with the "Memorandum of Understanding for the Protection of Historic Properties in Louisiana Regarding LPDES Permits" no consultation with the Louisiana State Historic Preservation Officer is required.

10. TENTATIVE DETERMINATION

On the basis of preliminary staff review, the Department of Environmental Quality has made a tentative determination to reissue a permit for the discharge described in the application.

11. PUBLIC NOTICES

Upon publication of the public notice, a public comment period shall begin on the date of publication and last for at least 30 days thereafter. During this period, any interested persons may submit written comments on the draft permit and may request a public hearing to clarify issues involved in the permit decision at this Office's address on the first page of the statement of basis. A request for a public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing.

Public notice published in:

Local newspaper of general circulation

Office of Environmental Services Public Notice Mailing List

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Rationale for CMP Coatings, Inc.

1. **Outfall 001** - stormwater runoff combined with once-through non-contact cooling water from Outfall 101 and treated sanitary wastewater from Outfalls 201 and 301 (estimated flow is: stormwater - intermittent; cooling water - varies; sanitary wastewater - 1,000 gpd)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Daily Max (mg/l)	<u>Reference</u>
Flow	Report:Report	
TOC	---:50 mg/L	BPJ from existing permit
Oil & Grease	---:15 mg/L	BPJ from existing permit
Xylene	---:10 µg/L	BPJ from existing permit
pH	6.0 - 9.0 s.u.	BPJ from existing permit

Monitoring Frequency: 1/month for all parameters at the point of discharge from the northwest side of the facility

Limits Justification: BPJ per existing permit

2. **Outfall 101** - once-through non-contact cooling water (estimated flow varies)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Daily Max (mg/l)	<u>Reference</u>
Flow	Report:Report	
net TOC	---:5 mg/L	BPJ from existing permit

Monitoring Frequency: 1/quarter for all parameters at the point of discharge from the northeast side of the facility (Note: the monitoring frequency is being increased from 1/6 months to 1/quarter based on non-compliance for this outfall.)

Limits Justification: BPJ per existing permit

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3. Outfalls 301, 201, 003, and 004 - treated sanitary wastewater (estimated flow is - 500 gpd for each plant)

<u>Pollutant</u>	<u>Limitation</u> Mo. Avg:Weekly Avg (mg/l)	<u>Reference</u>
Flow	Report:Report	
BOD ₅	---:45 mg/L	LPDES General Permit LAG530000
TSS	---:45 mg/L	LPDES General Permit LAG530000
Fecal Coliform	---:400 col/100mL	LPDES General Permit LAG530000
pH**	6.0 - 9.0 s.u.	LPDES General Permit LAG530000

Treatment: sewage treatment plants with chlorinators

Monitoring Frequency: 1/quarter for all parameters at the point of discharge from the sewage treatment plants (Note: the monitoring frequency is being increased from 1/6 months to 1/quarter based on non-compliance for these outfall.) **pH limitations do not apply to Outfalls 201 and 301 as these are internal outfalls.

Limits Justification: LPDES General Permit LAG530000 and previous permit

NOTE: 40 CFR 446, Paint Formulating Point Source Category, applies to this facility and states that there shall be no discharge of process wastewater; this facility only discharges once-through non-contact cooling water and treated sanitary wastewater both of which are not considered process wastewater.

BPJ Best Professional Judgement
 su Standard Units

NOTE

For outfalls containing concentration limits, the usage of concentration limits is based on BPJ for similar outfalls since the flow is variable and estimated.

STORM WATER POLLUTION PREVENTION PLAN (SWP3) REQUIREMENT

A SWP3 is included in the permit because in accordance with LAC 33:IX.2511.A.1, storm water coverage shall not be required in an LPDES permit "... except... discharges associated with industrial activity." In accordance with LAC 33:IX.2511.B.14.a-k, facilities classified as SIC code 2851 are considered to have storm water discharges associated with industrial activity.

The SWP3 shall be prepared, implemented, and maintained within (6) months of the effective date of the final permit. The plan should identify potential sources of storm water pollution and ensure the implementation of practices to

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prevent and reduce pollutants in the storm water discharges associated with industrial activity at the facility (see Narrative Requirements for the AI).

303(d)/TMDL LANGUAGE

Subsegment 020601 is listed on LDEQ's Final 2006 list as impaired for fecal coliform. To date no TMDL's have been completed for this waterbody. A reopener clause will be established in the permit to allow for the requirement of more stringent effluent limitations and requirements as imposed by a future TMDL. Until completion of TMDL's for the Barataria Basin, those suspected causes for impairment which are not directly attributed to the marine paint manufacturing point source category have been eliminated in the formulation of effluent limitations and other requirements of this permit.

Therefore, for the purposes of this permit, the fecal coliform impairment will be addressed in a manner consistent with the Department's permitting guidance for implementing Louisiana's surface water quality standards as follows:

Fecal Coliform

To protect against the further impairment of the fecal coliform impairment cause, a fecal coliform limit has been placed on the Outfalls 201, 301, 003, and 004.